EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	23601304	@ad<"20030122"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 20:53
L2	91	(Alan near2 Welsh).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 20:53
L3	4	(Richard near2 Tolpin).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 20:54
L4	11	(Robbie near2 Green).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 20:54
L5	24	(Louis near2 Witt).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 20:54
L6	0	(Raymond near2 Yound).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:14
L7	143	(Raymond near2 Young).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:11
L8	31	(Donald near2 Cross).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:12
L9	57	(Kai near2 Zhang).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:12

L10	3	(Corinne near2 Duncan).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:13
L11	8	(Brian near2 Mcfadden).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:13
L12	0	2 and 3 and 4 and 5 and 6 and 7 and 8 and 9 and 10 and 11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:14
L13	143	(Raymond near2 Young).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:14
L14	3	2 and 3 and 4 and 5 and 13 and 7 and 8 and 9 and 10 and 11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:14
L15	3287	(requir$4 or need$4) adj cach$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:15
L16	17370	snapshot$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:15
L17	3287	(requir$4 or need$4) adj cach$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L18	17370	snapshot$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L19	6	L17 same L18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16

L20	31617	"711"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L21	23601304	@ad<"20030122"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L22	31617	"711"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L23	23609	L21 and L22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L24	23609	L21 and L22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L25	23609	L21 and L22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L26	1194	L17 and L25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L27	6	L17 same L18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L28	0	(backup or (back$4 adj "up") or archiv$4) adj ("before" or "prior") adj cach$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16
L29	1	(backup or (back$4 adj "up") or archiv$4) adj4 ("before" or "prior") adj4 cach$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/12 21:16

PORTAL
USPTO

Search: ◉ The ACM Digital Library   ○ The Guide

(backup or archived or archiving or archiable or backingup) <s   **SEARCH**

THE ACM DIGITAL LIBRARY

i Feedback Report a problem Satisfaction survey

Terms used **backup** or **archived** or **archiving** or **archiable** or **backingup sentence before** or **prior sentence cache** or **cacheable same snapshot** or **snapping** or **snapped** or **image** or **mirror**

Found **6,038** of **189,785**

Sort results by   `relevance        ▼`

Display results   `expanded form  ▼`

❤ Save results to a Binder
? Search Tips
☐ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10   next
Best 200 shown

Relevance scale ☐ ◪ ◼ ◼ ◼

1 Fast detection of communication patterns in distributed executions   ◼
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: 📄 pdf(4.21 MB)   Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 Time-machine computing: a time-centric approach for the information environment   ◼
Jun Rekimoto
November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**
Publisher: ACM Press
Full text available: 📄 pdf(863.69 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper describes the concept of Time-Machine Computing (TMC), a time-centric approach to organizing information on computers. A system based on Time-Machine Computing allows a user to visit the past and the future states of computers. When a user needs to refer to a document that he/she was working on at some other time, he/she can travel in the time dimension and the system restores the computer state at that time. Since the user's activities on the system are automati ...

Keywords: desktop environment, document management, information visualization, inter-application communication, time traveling, time-machine computing

3 SIGART special issue on machine learning   ☐
April 1981 **ACM SIGART Bulletin**, Issue 76
Publisher: ACM Press

Full text available: pdf(3.33 MB)   Additional Information: full citation, abstract

Current research on Machine Learning encompasses a diverse set of approaches, and of opinions regarding where the important issues lie. The significant increase of interest and research activity in Machine Learning over the past few years has led us to organize this special issue of SIGART, whose purpose is to provide a snapshot of current research in this field. This issue contains a set of summaries of ongoing research, solicited from the community at large, and received from thirty-five resea ...

4 Facial modeling and animation

Jörg Haber, Demetri Terzopoulos

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(18.15 MB)   Additional Information: full citation, abstract

In this course we present an overview of the concepts and current techniques in facial modeling and animation. We introduce this research area by its history and applications. As a necessary prerequisite for facial modeling, data acquisition is discussed in detail. We describe basic concepts of facial animation and present different approaches including parametric models, performance-, physics-, and learning-based methods. State-of-the-art techniques such as muscle-based facial animation, mass-s ...

5 Special issue: AI in engineering

D. Sriram, R. Joobbani

April 1985 **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available: pdf(8.79 MB)   Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

6 The elements of nature: interactive and realistic techniques

Oliver Deusen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Prusinkiewicz, Doug Roble, Jos Stam, Jerry Tessendorf

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(17.65 MB)   Additional Information: full citation, abstract

This updated course on simulating natural phenomena will cover the latest research and production techniques for simulating most of the elements of nature. The presenters will provide movie production, interactive simulation, and research perspectives on the difficult task of photorealistic modeling, rendering, and animation of natural phenomena. The course offers a nice balance of the latest interactive graphics hardware-based simulation techniques and the latest physics-based simulation techni ...

7 Customized information extraction as a basis for resource discovery

Darren R. Hardy, Michael F. Schwartz

May 1996 **ACM Transactions on Computer Systems (TOCS)**, Volume 14 Issue 2

Publisher: ACM Press

Full text available: pdf(1.91 MB)   Additional Information: full citation, abstract, references, index terms, review

Indexing file contents is a powerful means of helping users locate documents, software, and other types of data among large repositories. In environments that contain many different types of data, content indexing requires type-specific processing to extract

information effectively. We present a model for type-specific, user-customizable information extraction, and a system implementation called Essence. This software structure allows users to associate specialized extracti ...

Keywords: Internet, distributed indexing, resource discovery

8 Risks to the public: Risks to the public

Peter G. Neumann
March 2006 **ACM SIGSOFT Software Engineering Notes**, Volume 31 Issue 2
Publisher: ACM Press

Full text available: pdf(144.71 KB)   Additional Information: full citation, abstract, index terms

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

9 Pen computing: a technology overview and a vision

André Meyer
July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3
Publisher: ACM Press

Full text available: pdf(5.14 MB)   Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

10 Special issue on knowledge representation

Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70
Publisher: ACM Press

Full text available: pdf(13.13 MB)   Additional Information: full citation, abstract

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

11 Peer-to-peer infrastructure: Pastiche: making backup cheap and easy

Landon P. Cox, Christopher D. Murray, Brian D. Noble
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI
Publisher: ACM Press

Full text available: pdf(1.65 MB)   Additional Information: full citation, abstract, references

Backup is cumbersome and expensive. Individual users almost never back up their data, and backup is a significant cost in large organizations. This paper presents *Pastiche*, a simple and inexpensive backup system. Pastiche exploits excess disk capacity to perform peer-to-peer backup with no administrative costs. Each node minimizes storage overhead

by selecting peers that share a significant amount of data. It is easy for common installations to find suitable peers, and peers with high ove ...

12 Peer-to-peer data trading to preserve information

Brian F. Cooper, Hector Garcia-Molina
April 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 2
Publisher: ACM Press

Full text available: pdf(490.65 KB)   Additional Information: full citation, abstract, references, citings, index terms

Data archiving systems rely on replication to preserve information. This paper discusses how a network of autonomous archiving sites can trade data to achieve the most reliable replication. A series of binary trades among sites produces a peer-to-peer archiving network. Two trading algorithms are examined, one based on trading collections (even if they are different sizes) and another based on trading equal sized blocks of space (which can then store collections). The concept of *deeds* is ...

Keywords: Data replication, digital archiving, digital library, fault tolerance, resource negotiation

13 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann
January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1
Publisher: ACM Press
Full text available: pdf(2.54 MB)   Additional Information: full citation

14 File servers for network-based distributed systems

Liba Svobodova
December 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 4
Publisher: ACM Press

Full text available: pdf(4.23 MB)   Additional Information: full citation, references, citings, index terms, review

15 Columns: Risks to the public in computers and related systems

Peter G. Neumann
January 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 1
Publisher: ACM Press
Full text available: pdf(3.24 MB)   Additional Information: full citation

16 Inverted files for text search engines

Justin Zobel, Alistair Moffat
July 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 2
Publisher: ACM Press
Full text available: pdf(944.29 KB)   Additional Information: full citation, abstract, references, index terms

The technology underlying text search engines has advanced dramatically in the past decade. The development of a family of new index representations has led to a wide range of innovations in index storage, index construction, and query evaluation. While some of these developments have been consolidated in textbooks, many specific techniques are

not widely known or the textbook descriptions are out of date. In this tutorial, we introduce the key techniques in the area, describing both a core impl ...

Keywords: Inverted file indexing, Web search engine, document database, information retrieval, text retrieval

17 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann
January 1992 **ACM SIGSOFT Software Engineering Notes**, Volume 17 Issue 1
Publisher: ACM Press
Full text available: pdf(1.65 MB)   Additional Information: full citation, citings, index terms

18 Data base directions: the next steps

John L. Berg
November 1976 **ACM SIGMOD Record , ACM SIGMIS Database**, Volume 8 , 8 Issue 4 , 2
Publisher: ACM Press
Full text available: pdf(9.95 MB)   Additional Information: full citation, abstract

What information about data base technology does a manager need to make prudent decisions about using this new technology? To provide this information the National Bureau of Standards and the Association for Computing Machinery established a workshop of approximately 80 experts in five major subject areas. The five subject areas were auditing, evolving technology, government regulations, standards, and user experience. Each area prepared a report contained in these proceedings. The proceedings p ...

Keywords: DBMS, auditing, cost/benefit analysis, data base, data base management, government regulation, management objectives, privacy, security, standards, technology assessment, user experience

19 Finding replicated Web collections

Junghoo Cho, Narayanan Shivakumar, Hector Garcia-Molina
May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data SIGMOD '00**, Volume 29 Issue 2
Publisher: ACM Press
Full text available: pdf(332.72 KB)   Additional Information: full citation, abstract, references, citings, index terms

Many web documents (such as JAVA FAQs) are being replicated on the Internet. Often entire document collections (such as hyperlinked Linux manuals) are being replicated many times. In this paper, we make the case for identifying replicated documents and collections to improve web crawlers, archivers, and ranking functions used in search engines. The paper describes how to efficiently identify replicated documents and hyperlinked document collections. The challenge is to identify these replicas ...

20 Petal: distributed virtual disks

Edward K. Lee, Chandramohan A. Thekkath ·
September 1996 **ACM SIGPLAN Notices , ACM SIGOPS Operating Systems Review , Proceedings of the seventh international conference on Architectural support for programming languages and operating systems ASPLOS-VII**, Volume 31 , 30 Issue 9 , 5
Publisher: ACM Press
Full text available: pdf(1.10 MB)   Additional Information: full citation, abstract, references, citings, index

terms

The ideal storage system is globally accessible, always available, provides unlimited
performance and capacity for a large number of clients, and requires no management.
This paper describes the design, implementation, and performance of Petal, a system that
attempts to approximate this ideal in practice through a novel combination of features.
Petal consists of a collection of network-connected servers that cooperatively manage a
pool of physical disks. To a Petal client, this collection appear ...

Results 1 - 20 of 200   Result page: **1**   2   3   4   5   6   7   8   9   10   next

Useful downloads: Adobe Acrobat   QuickTime   Windows Media Player   Real Player

IEEE *Xplore*
RELEASE 2.1

Welcome United States Patent and Trademark Office

Search Session History

BROWSE   SEARCH   IEEE XPLORE GUIDE

Sun, 12 Nov 2006, 11:16:33 PM EST

Edit an existing query or compose a
new query in the Search Query
Display.

Search Query Display

Select a search number (#) to:

- Add a query to the Search Query
  Display
- Combine search queries using
  AND, OR, or NOT
- Delete a search
- Run a search

Recent Search Queries

#1   (((multilevel or multitier) or ((plurality or multiple) and level)) and
      cache<in>metadata)

#2   (((multilevel or multitier) or ((plurality or multiple) and level)) and
      cache<in>metadata)

#3   ((archive or archiving or archived or backup or backingup) and
      snapshot*<IN>metadata)

#4   ((((multilevel or multitier) or ((plurality or multiple) and level)) and
      cache<in>metadata)) <AND> (((archive or archiving or archived or backup or
      backingup) and snapshot*<IN>metadata))

#5   (redundancy or extra*) and overlap*

#6   (((archive or archiving or archived or backup or backingup) and
      snapshot*<IN>metadata)) <AND> ((redundancy or extra*) and overlap*)

#7   ((((archive or archiving or archived or backup or backingup) and
      snapshot*<IN>metadata)) <AND> ((redundancy or extra*) and overlap*)) <AND>
      (((((multilevel or multitier) or ((plurality or multiple) and level)) and
      cache<in>metadata)) <AND> (((archive or archiving or archived or backup or
      backingup) and snapshot*<IN>metadata)))

Indexed by
Inspec